Table 1 TREES FOR HEDGEROW PLANTINGS

Species	Hardiness Zone	Soil Moisture <sup>1</sup>	Minimum pH <sup>1</sup>	Fertility <sup>1</sup>	Shade <sup>2</sup>	Mature Height <sup>3</sup> (ft)	Wildlife Use <sup>4</sup>
DECIDUOUS	}						
Apple	All	Normal	6	Medium	No	30	Food
Ash:							
green	All	Wet	4	Low	No	50	Cover
mountain	All	Normal	5	Medium	No	40	Food
white	All	Normal	4	Medium	Partial	80	Cover
Beech (American)	All	Normal	5	Medium	Yes	80	Food
Birch:							
paper	5	Normal	4	Medium	No	60	Cover
river	All	Wet	4	Medium	No	70	Cover
Cherry:							
black*	All	Normal	5	Medium	No	60	Food
choke*	All	Dry	5	Low	Partial	30	Food
sour*	All	Normal	5	Medium	No	30	Food
Chestnut (Chinese)	All	Dry	5	Medium	No	50	Food
Chinquapin (Alleghany)	7	Normal	5	Medium	No	30	Food
Crabapple:							
Asiatic	All	Normal	5	Medium	No	30	Food
flowering	All	Normal	5	Medium	No	30	Food
American	All	Normal	6	Medium	No	30	Food
Dogwood (flowering)	All	Normal	5	Medium	Partial	30	Food

<sup>\*</sup>May be toxic to livestock

<sup>&</sup>lt;sup>1</sup> Condition which the plant will tolerate and still provide adequate growth and fruit production <sup>2</sup> Seedling tolerance

<sup>&</sup>lt;sup>3</sup> Height which can be expected in approximately 50 years

Most plants which provide food also provide cover; however, plants identified as cover either do not provide preferred or reliable sources of food.

Species	Hardiness Zone	Soil Moisture <sup>1</sup>	Minimum pH <sup>1</sup>	Fertility <sup>1</sup>	Shade <sup>2</sup>	Mature Height <sup>3</sup> (ft)	Wildlife Use <sup>4</sup>
Gum:							
black	All	Normal	5	Medium	Partial	60	Cover
sweet	7	Normal	5	Medium	No	80	Cover
Hawthorn:							
cockspur	All	Dry	6	Low	No	30	Food
Washington	All	Dry	6	Low	No	30	Food
Hickory (shagbark)	All	Normal	5	Medium	Partial	80	Food
Locust (black)	All	Dry	4	Low	No	50	Cover
Maple:							
red	All	Wet	5	Medium	Yes	60	Cover
sugar	All	Normal	5	Medium	Yes	70	Cover
Oak:							
pin	6 & 7	Wet	4	Medium	No	70	Food
red	All	Normal	5	Medium	No	70	Food
sawtooth	All	Dry	4	Low	No	60	Food
scrub	All	Dry	4	Low	No	30	Food
swamp wh.	All	Wet	5	Medium	No	70	Food
white	All	Normal	5	Medium	No	90	Food
Pear	All	Dry	5	Medium	No	30	Food
Poplar (Carolina)	All	Dry	5	Low	No	70	Cover
Redbud	All	Normal	5	Medium	Partial	40	Cover
Sassafras	All	Dry	5	Low	Partial	60	Cover
Serviceberry	All	Normal	4	Medium	Partial	30	Food
Tuliptree	6 & 7	Normal	5	Medium	No	90	Cover

<sup>\*</sup>May be toxic to livestock

Condition which the plant will tolerate and still provide adequate growth and fruit production

Seedling tolerance

Height which can be expected in approximately 50 years

Most plants which provide food also provide cover; however, plants identified as cover either do not provide preferred or reliable sources of food.

Willow:   black	Species	Hardiness Zone	Soil Moisture <sup>1</sup>	Minimum pH <sup>1</sup>	Fertility <sup>1</sup>	Shade <sup>2</sup>	Mature Height <sup>3</sup> (ft)	Wildlife Use <sup>4</sup>
Diack   All   Wet   6   Medium   No   50   Cover								
Diack   All   Wet   6   Medium   No   50   Cover	Willow:							
EVERGREEN		All	Wet	6	Mediium	No	50	Cover
Cedar:         red         All         Dry         5         Low         No         30         Food white           white         All         Wet         6         Medium         No         50         Cover           Fir:           balsam         All         Normal         5         Medium         No         50         Cover           Douglas         All         Normal         5         Medium         No         90         Cover           Fraser         All         Normal         5         Medium         No         50         Cover           White         All         Normal         5         Medium         Yes         90         Cover           Hemlock (American)         All         Wet         4         Medium         Yes         70         Cover           Pine:         Austrian         All         Dry         5         Medium         No         70         Cover           Japanese         All         Dry         5         Medium         No         40         Cover           Scotch         All         Dry         5         Low         No         80         Cover	weeping	All	Wet	5	Medium	No	40	Cover
red white         All wet         Dry betweet         5 betweet         Low Medium         No         30 betweet         Food Cover           Fir:         balsam All Normal         5 Medium         No         50 Cover           Douglas All Normal         5 Medium         No         90 Cover           Fraser All Normal         5 Medium         No         50 Cover           White All Normal         5 Medium         No         50 Cover           Hemlock (American)         All Wet         4 Medium         Yes         70 Cover           Pine:         Austrian All Dry         5 Medium         No         70 Cover           Japanese All Dry         5 Medium         No         40 Cover           Scotch All Dry         5 Low         No         80 Cover           Scotch All Normal         5 Medium         Partial         60 Cover           Spruce:         black         5 Wet         4 Low         Partial         40 Cover           Norway         All         Normal         5 Medium         Partial         80 Cover	EVERGREE	EN						
white         All         Wet         6         Medium         No         50         Cover           Fir:         balsam         All         Normal         5         Medium         No         50         Cover           Douglas         All         Normal         5         Medium         No         90         Cover           Fraser         All         Normal         5         Medium         No         50         Cover           white         All         Normal         5         Medium         Yes         90         Cover           Hemlock (American)         All         Wet         4         Medium         Yes         70         Cover           Pine:         Austrian         All         Dry         5         Medium         No         70         Cover           Japanese         All         Dry         5         Medium         No         40         Cover           Scotch         All         Dry         5         Low         No         80         Cover           Spruce:         black         5         Wet         4         Low         Partial         40         Cover           Norway	Cedar:							
Fir:   balsam	red		Dry	5		No	30	Food
balsam All Normal 5 Medium No 50 Cover Douglas All Normal 5 Medium No 90 Cover Fraser All Normal 5 Medium No 50 Cover White All Normal 5 Medium No 50 Cover White All Normal 5 Medium Yes 90 Cover Medium Yes 90 Cover Medium Yes 70 Cover Medium Yes 70 Cover Medium Yes 70 Cover Medium No 70 Cover Medium No 70 Cover Medium No 70 Cover Japanese All Dry 5 Medium No 40 Cover Medium No 80 Cover Medium Medium Medium Medium No 80 Cover Medium No Cover Medium	white	All	Wet	6	Medium	No	50	Cover
Douglas All Normal 5 Medium No 90 Cover Fraser All Normal 5 Medium No 50 Cover white All Normal 5 Medium Yes 90 Cover Memite All Normal 5 Medium Yes 90 Cover Memite All Wet 4 Medium Yes 70 Cover (American)  Pine:  Austrian All Dry 5 Medium No 70 Cover Japanese All Dry 5 Medium No 40 Cover red 5 Dry 5 Low No 80 Cover Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 90 Cover Medium Partial 90 Cover Medium Normal 5 Medium Partial 80 Cover Spruce:	Fir:							
Fraser All Normal 5 Medium No 50 Cover white All Normal 5 Medium Yes 90 Cover  Hemlock All Wet 4 Medium Yes 70 Cover (American)  Pine:  Austrian All Dry 5 Medium No 70 Cover Japanese All Dry 5 Medium No 40 Cover red 5 Dry 5 Low No 80 Cover Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 90 Cover White Spruce:  black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover	balsam	All	Normal	5	Medium	No	50	Cover
white All Normal 5 Medium Yes 90 Cover  Hemlock (American)  Pine: Austrian All Dry 5 Medium No 70 Cover Japanese All Dry 5 Medium No 40 Cover red 5 Dry 5 Low No 80 Cover Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 90 Cover  Spruce: black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover	Douglas	All	Normal	5	Medium	No	90	Cover
Hemlock (American)  Pine:  Austrian All Dry 5 Medium No 70 Cover Japanese All Dry 5 Medium No 40 Cover red 5 Dry 5 Low No 80 Cover Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 90 Cover  Spruce: black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover	Fraser	All	Normal		Medium	No	50	Cover
Pine: Austrian All Dry 5 Medium No 70 Cover Japanese All Dry 5 Medium No 40 Cover red 5 Dry 5 Low No 80 Cover Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 40 Cover	white	All	Normal	5	Medium	Yes	90	Cover
Austrian All Dry 5 Medium No 70 Cover Japanese All Dry 5 Medium No 40 Cover red 5 Dry 5 Low No 80 Cover Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 90 Cover  Spruce: black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover		All	Wet	4	Medium	Yes	70	Cover
Japanese All Dry 5 Medium No 40 Cover red 5 Dry 5 Low No 80 Cover Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 90 Cover Spruce:  black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover	Pine:							
red 5 Dry 5 Low No 80 Cover Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 90 Cover Spruce:  black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover	Austrian	All	Dry	5	Medium	No	70	Cover
Scotch All Dry 5 Low Partial 60 Cover white All Normal 5 Medium Partial 90 Cover  Spruce: black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover	Japanese	All	Dry		Medium	No	40	Cover
white All Normal 5 Medium Partial 90 Cover  Spruce: black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover	red		Dry		Low			Cover
Spruce: black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover								
black 5 Wet 4 Low Partial 40 Cover Norway All Normal 5 Medium Partial 80 Cover	white	All	Normal	5	Medium	Partial	90	Cover
Norway All Normal 5 Medium Partial 80 Cover	Spruce:							
	black							
white 5 Normal 5 Medium Partial 70 Cover								
	white	5	Normal	5	Medium	Partial	70	Cover

<sup>\*</sup>May be toxic to livestock

Condition which the plant will tolerate and still provide adequate growth and fruit production

Seedling tolerance

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